



## Installation and Care of Solutions Sample Debris Strainer (SDS)

### Installation

The SDS can be installed in any orientation. Inlet and outlet ports are 1/4" NPT connections. Flow direction is identified by an arrow engraved on the body of the strainer. Please check the clamp bolt tightness prior to installation. Torque bolts to 17 ft-lbs.

Male adapters (Swagelok SS-4-TA-1-4 or equivalent) are recommended if you are going to be using elbows on the inlet or outlet, so that the elbow can be oriented in any direction to accommodate your piping layout.

Leave 12" disassembly room on the outlet to remove the strainer element. Also, connect the sample tubing so that the outlet can be disconnected and swung out of the way, allowing the clamp to be disassembled and the strainer element removed.

If you disassemble the strainer take care not to ding or damage the inside surfaces in the seal areas. These areas are highly polished to allow the seal ring to seat properly. Also, do not drop or ding the seal ring. It is soft and can be damaged easily.

The SDS can be ordered with an integral blowoff port (specify SDS-15-SS-B). We recommend a heavy blowoff valve engineered for high pressure blowdown service to be installed on the blowoff port (specify Mogas 050-RSVP) for applications above 500 psi. Alternately, a four-valve blowback arrangement can be installed to allow the strainer to be backflushed without having to disassemble it. A piping sketch is included.

### Maintenance

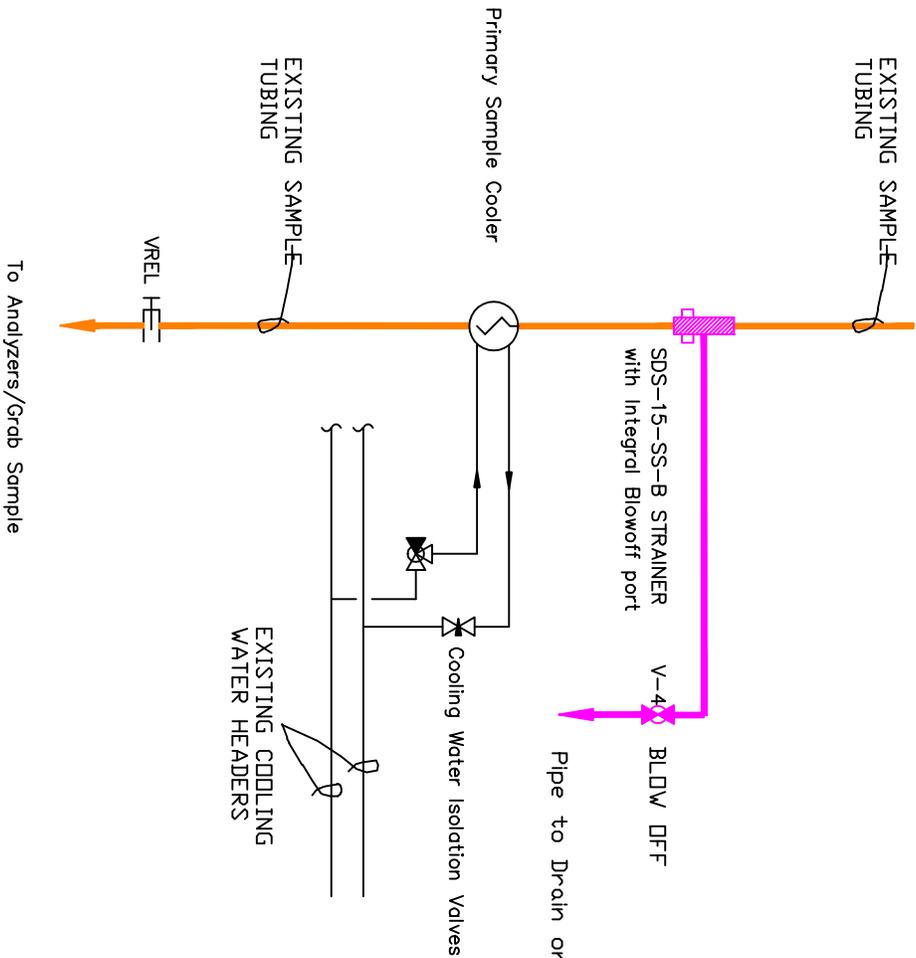
Cleaning the element can usually be accomplished by rinsing with water and perhaps a soft brushing. It can also be cleaned in 5% HCL.

Replacement Parts:

<u>P/N</u>	<u>Description</u>
SA001	Strainer element. 80 micron, 1/4" NPT male
SA002	Strainer Body, engraved, 316 SS
59524D	Cap, 316 SS, 1/4" NPT Female
51270N	Seal
50163WB	Clamp Assy including 2 halves, bolts and nuts

Stud Bolt Nut Tightening Torque: 17 ft-lbs.

HIGH PRESSURE SAMPLE > 500 PSI



NOTES

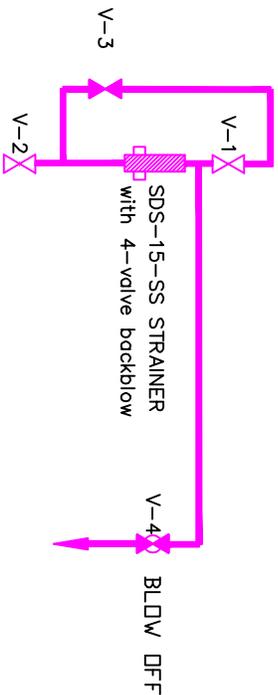
SDS-15-SS can be installed upstream or downstream of 1st sample cooler rated for 3000 psig @ 1000 deg.F

Pipe blowoff to drain or safe location

TO BLOW OUT THE STRAINER ELEMENT  
 For SDS strainers with integral blowoff port, connect v-4 directly to blowoff connection Valves V-1, V-2 and V3 are not needed

Recommended SDS blowoff valve (V-4):  
 Mogos 050-RSVP-1500-UKF or Valvetechologies BOL1-SW-STD-LV-3/8; V-1, V-2, V-3 Swagelok SS316SS4-G or equal

To Blow back the strainer:  
 Close V1 & V-2, Open V-3, then V-4  
 Blow for 5-20 seconds or until strainer is clean  
 Reverse to put back in service



CAD No: CAD

DATE	REV	DATE	REV
08/14/08	01	08/14/08	01
08/14/08	02	08/14/08	02
SDS-15-SS SAMPLE/ERIS STRAINER		CUSTOMER SOLUTIONS INC.	

No.	DATE	REVISION	BY	No.	DATE	REVISION	BY
01	12-14-08	ADDED INTEGRAL BLOWOFF INFO, UPDATED NOTES	DRW	01	04-04-12	CORRECTED ORIENTATION OF SDS FLOW DIRECTION	DRW